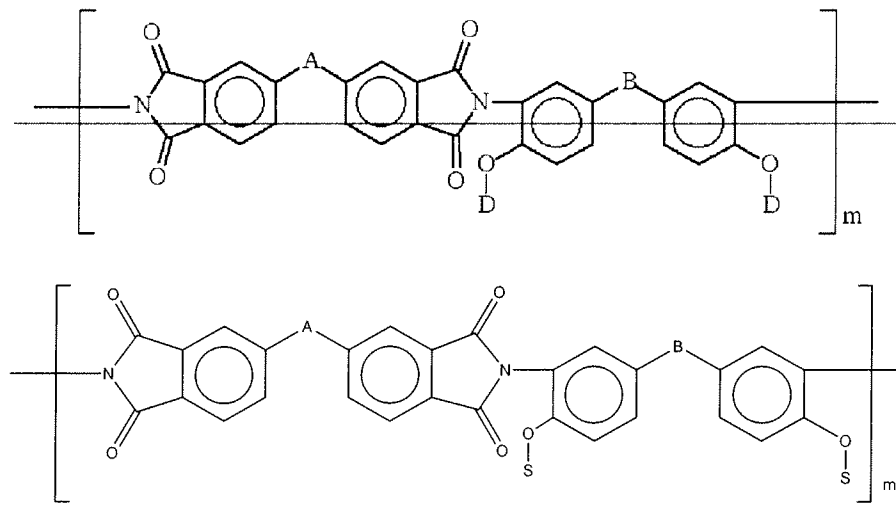


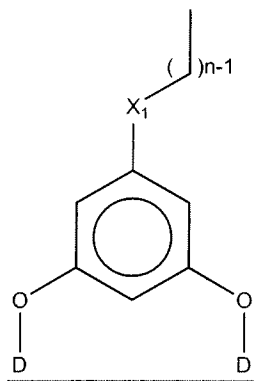
AMENDMENTS TO THE CLAIMS

1-3. (Canceled)

4. (Currently Amended) ~~The~~ An optical polymeric compound of claim 1, wherein the polyimide repeating unit has containing polyimide repeating units and organic dye molecular groups, wherein the optical polymeric compound has the following formula:



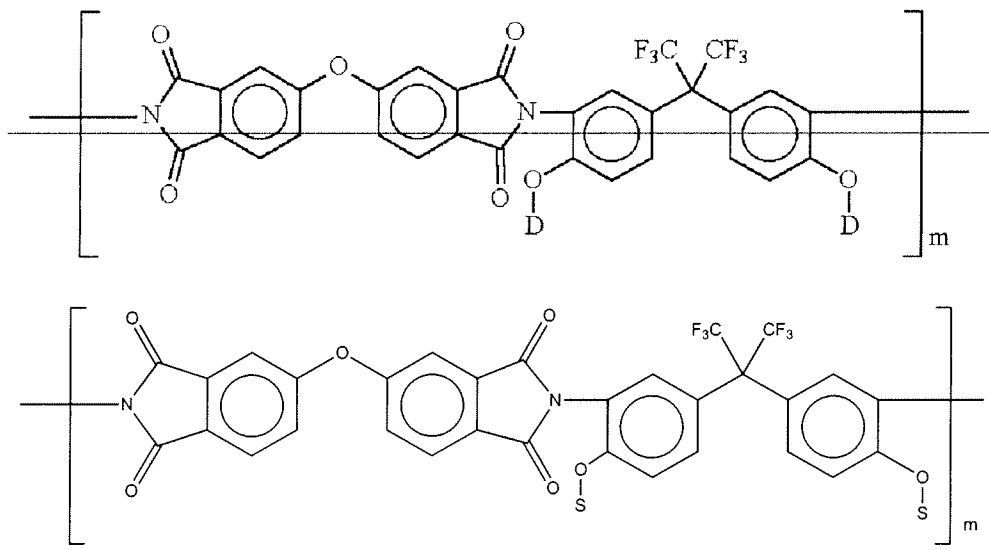
where S is an organic dye molecular group having a structure of the following formula:



where X_1 is hydrocarbon, oxygen, sulfur, nitrogen, ester (CO_2), or amide (CONR_1), where R_1 is an alkyl or phenyl group having 1 to 6 carbon atoms, D is an organic chromophore molecule selected from the group consisting of an amino-isophorone-dicyanide (AIDC) derivative and an amino-isophorone-isooxazolone (AIOX) derivative, an n is an integer from 1 to 10, and where A and B are each independently fluorocarbon-substituted or unsubstituted hydrocarbons having 1 to 4 carbon atoms, oxygen, nitrogen, or sulfur, and m is in the range of

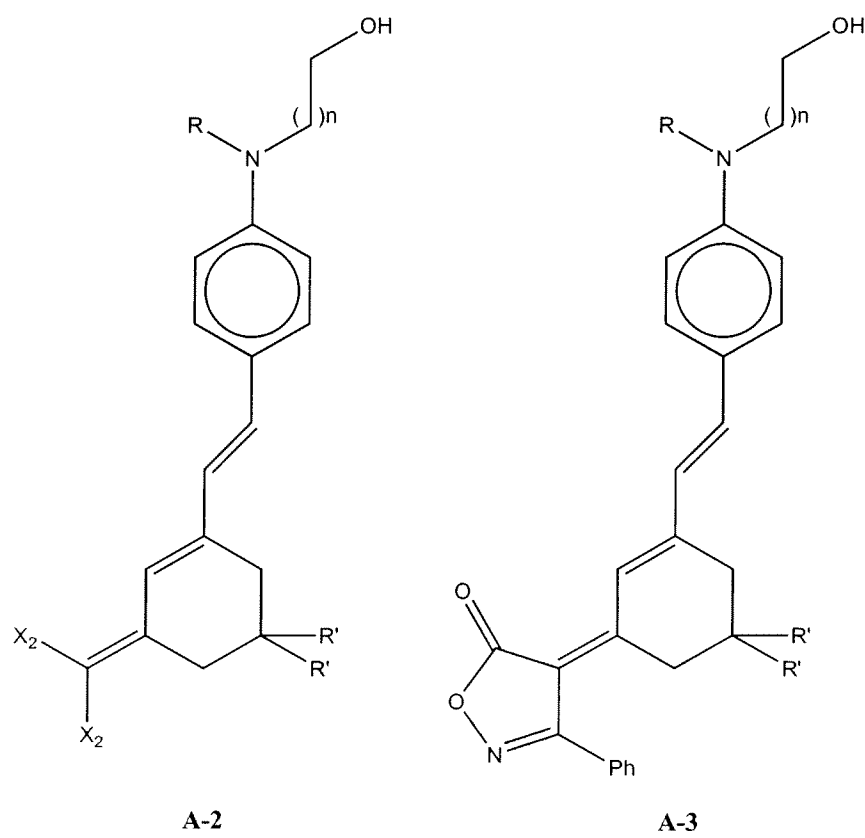
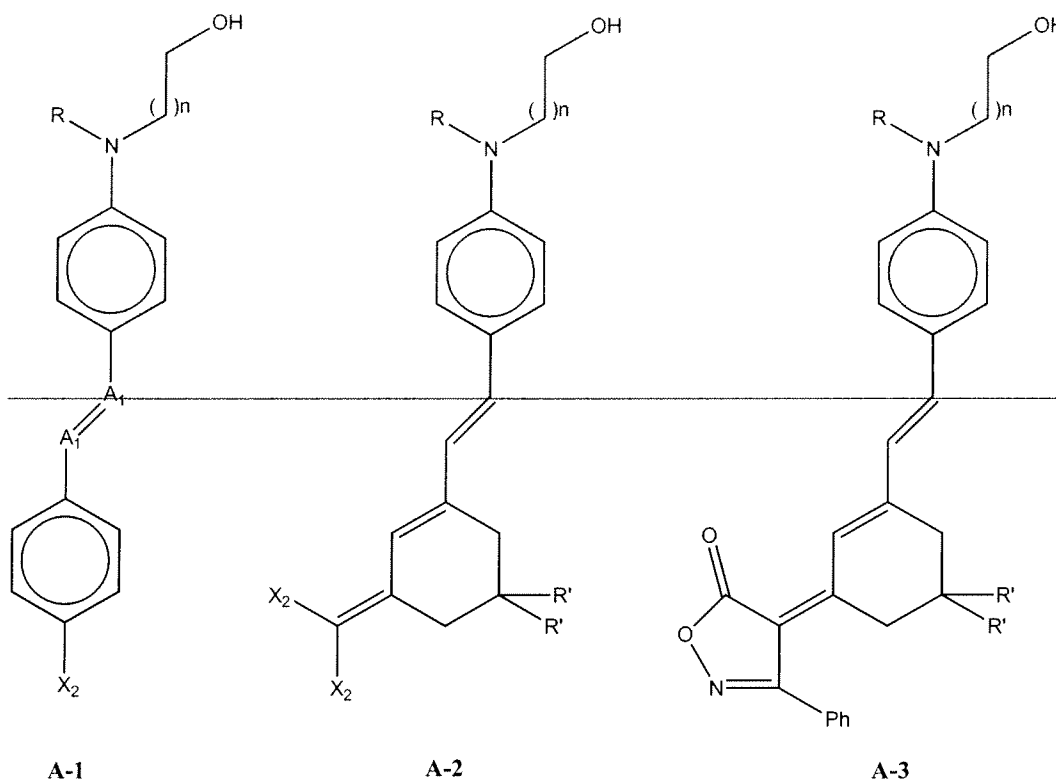
0.01 to 1 as the ratio of the polyimide repeating units to all the repeating units of the optical polymeric compound.

5. (Currently Amended) The optical polymeric compound of claim 4, wherein the ~~polyimide repeating unit~~ optical polymeric compound has the following formula:



6. (Original) The optical polymeric compound of claim 4, wherein the polyimide repeating unit contains 10-60 % by weight the organic chromophore molecule D.

7. (Currently Amended) The optical polymeric compound of claim 4, wherein the polyimide repeating unit ~~is couple with~~ contains at least one organic chromophore molecule selected from the group of organic chromophore molecules having the following formula (A-1), (A-2) and (A-3) in which each chromophore molecule is shown as D-OH, or with a combination of the organic chromophore molecules in a predetermined ratio:



where R and R' are each independently alkyl or phenyl groups having 1 to 10 carbon atoms, ~~A₁ is carbon or nitrogen,~~ X₂ is NO₂, a sulfonyl-substituted or unsubstituted alkyl group having 1 to 10 carbon atoms, CN, -C(CN)=C(CN)₂, ~~an ester group, a carbonyl group,~~ a halogen element, or a haloalkyl group, and *n* is an integer from 1 to 11.